

APPLICATION INFO.: WO 1996-US8216 A 19960531
PRIORITY INFO.: US 1995-8/473,183 19950607

=> d his

(FILE 'HOME' ENTERED AT 08:21:20 ON 15 DEC 2005)

FILE 'PCTFULL' ENTERED AT 08:21:30 ON 15 DEC 2005

L1 15203 S MICROSPHER?
L2 343 S L1/TI
L3 990 S L1/AB
L4 1026 S L2 OR L3
L5 6164 S POLYANHYDRIDE
L6 2826 S SULINDAC
L7 16 S L6 AND L4
L8 3 S L7 AND L5

=> s l7 and polymer
158886 POLYMER
122941 POLYMERS
189307 POLYMER
(POLYMER OR POLYMERS)

L9 16 L7 AND POLYMER

=> s l7 not py>2002
339965 PY>2002
L10 12 L7 NOT PY>2002

=> s cancer? or tumor? or cancer?
73935 CANCER?
61948 TUMOR?
73935 CANCER?
L11 90719 CANCER? OR TUMOR? OR CANCER?

=> s l11 and l12
L12 NOT FOUND
The L-number entered could not be found. To see the definition
of L-numbers, enter DISPLAY HISTORY at an arrow prompt (=>).

=> s l11 and l10
L12 12 L11 AND L10

=> s polymeric
89217 POLYMERIC
178 POLYMERICS
L13 89307 POLYMERIC
(POLYMERIC OR POLYMERICS)

=> s l13 or l9
L14 89310 L13 OR L9

=> s polymer
158886 POLYMER
122941 POLYMERS
L15 189307 POLYMER
(POLYMER OR POLYMERS)

=> s l15 or l13
L16 208045 L15 OR L13

=> s l16 and l7
L17 16 L16 AND L7

=> s l17 not py>2001

443951 PY>2001

L18 11 L17 NOT PY>2001

=> d ibib 1-5

L18 ANSWER 1 OF 11 PCTFULL COPYRIGHT 2005 Univentio on STN
ACCESSION NUMBER: 2001072281 PCTFULL ED 20020822
TITLE (ENGLISH): MICROSPHERES FOR ACTIVE EMBOLIZATION
TITLE (FRENCH): MICROSPHERES PERMETTANT UNE EMBOLISATION
ACTIVE
INVENTOR(S): VOGEL, Jean-Marie;
BOSCHETTI, Egisto
PATENT ASSIGNEE(S): BIOSPHERE MEDICAL INC.;
VOGEL, Jean-Marie;
BOSCHETTI, Egisto
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2001072281	A2	20011004

DESIGNATED STATES

W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL
IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG
MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW MZ
SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR BF BJ
CF CG CI CM GA GN GW ML MR NE SN TD TG

APPLICATION INFO.: WO 2001-US9619 A 20010323
PRIORITY INFO.: US 2000-60/191,899 20000324

L18 ANSWER 2 OF 11 PCTFULL COPYRIGHT 2005 Univentio on STN
ACCESSION NUMBER: 2001072280 PCTFULL ED 20020822
TITLE (ENGLISH): MICROSPHERES FOR GENE THERAPY
TITLE (FRENCH): COMPOSITIONS ET METHODES POUR THERAPIE GENIQUE
INVENTOR(S): VOGEL, Jean-Marie;
BOSCHETTI, Egisto
PATENT ASSIGNEE(S): BIOSPHERE MEDICAL INC.;
VOGEL, Jean-Marie;
BOSCHETTI, Egisto
DOCUMENT TYPE: Patent
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 2001072280	A2	20011004

DESIGNATED STATES

W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL
IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG
MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG US UZ VN YU ZA ZW GH GM KE LS MW MZ
SD SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH
CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR BF BJ
CF CG CI CM GA GN GW ML MR NE SN TD TG

APPLICATION INFO.: WO 2001-US9618 A 20010323
PRIORITY INFO.: US 2000-60/191,902 20000324

L18 ANSWER 3 OF 11 PCTFULL COPYRIGHT 2005 Univentio on STN
ACCESSION NUMBER: 2001070291 PCTFULL ED 20020822
TITLE (ENGLISH): INJECTABLE MICROSPHERES FOR DERMAL
AUGMENTATION AND TISSUE BULKING
TITLE (FRENCH): MICROSPHERES INJECTABLES DESTINEES A
L'AUGMENTATION DERMIQUE ET AU GONFLEMENT TISSULAIRE
INVENTOR(S): VOGEL, Jean-Marie;

PATENT ASSIGNEE(S): THOMAS, Richard;
DOCUMENT TYPE: BOSCHETTI, Egisto
PATENT INFORMATION: BIOSPHERE MEDICAL, INC.
Patent

NUMBER	KIND	DATE
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WO 2001070291	A2	20010927
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DESIGNATED STATES

W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL
IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG
MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW MZ SD
SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY
DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR BF BJ CF
CG CI CM GA GN GW ML MR NE SN TD TG

APPLICATION INFO.:

WO 2001-US8529	A	20010315
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PRIORITY INFO.:

US 2000-09/528,991		20000320
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L18 ANSWER 4 OF 11

ACCESSION NUMBER:

PCTFULL COPYRIGHT 2005 Univentio on STN

TITLE (ENGLISH):

2001070289 PCTFULL ED 20020822

INJECTABLE AND SWELLABLE MICROSPHERES FOR
TISSUE BULKING

TITLE (FRENCH):

MICROSPHERES INJECTABLES, SUSCEPTIBLES DE
FOISSONNEMENT, VISANT A FAIRE GONFLER UN TISSU

INVENTOR(S):

VOGEL, Jean-Marie;

BOSCHETTI, Egisto

PATENT ASSIGNEE(S):

BIOSPHERE MEDICAL, INC.

DOCUMENT TYPE:

Patent

PATENT INFORMATION:

NUMBER	KIND	DATE
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WO 2001070289	A2	20010927
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DESIGNATED STATES

W:

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR
CU CZ DE DK DM DZ EE ES FI GB GD GE GH GM HR HU ID IL
IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG
MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG UZ VN YU ZA ZW GH GM KE LS MW MZ SD
SL SZ TZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY
DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR BF BJ CF
CG CI CM GA GN GW ML MR NE SN TD TG

APPLICATION INFO.:

WO 2001-US8405	A	20010315
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PRIORITY INFO.:

US 2000-09/528,989		20000320
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L18 ANSWER 5 OF 11

ACCESSION NUMBER:

PCTFULL COPYRIGHT 2005 Univentio on STN

TITLE (ENGLISH):

2000024378 PCTFULL ED 20020515

COMPOSITIONS OF MICROSPHERES FOR WOUND
HEALING

TITLE (FRENCH):

COMPOSITIONS A BASE DE MICROSPHERES DESTINEES
AU TRAITEMENT DES BLESSURES

INVENTOR(S):

RITTER, Vladimir;

RITTER, Marina

PATENT ASSIGNEE(S):

POLYHEAL LTD;

RITTER, Vladimir;

RITTER, Marina

LANGUAGE OF PUBL.:

English

DOCUMENT TYPE:

Patent

PATENT INFORMATION:

NUMBER	KIND	DATE
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WO 2000024378	A1	20000504
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DESIGNATED STATES

W:

AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE

ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK
 LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD
 SE SG SI SK SL TJ TM TR TT UA UG US UZ VN YU ZW GH GM
 KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE
 CH CY,DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ
 CF CG CI CM GA GN GW ML MR NE SN TD TG
 WO 1998-IB1838 A 19981023

APPLICATION INFO.:

=> d ibib 6-10

L18 ANSWER 6 OF 11 PCTFULL COPYRIGHT 2005 Univentio on STN
 ACCESSION NUMBER: 1998051284 PCTFULL ED 20020514
 TITLE (ENGLISH): NOVEL ACOUSTICALLY ACTIVE DRUG DELIVERY SYSTEMS
 TITLE (FRENCH): NOUVEAUX SYSTEMES D'ADMINISTRATION DE MEDICAMENTS
 ACTIVES PAR UN PROCEDE ACOUSTIQUE
 INVENTOR(S): UNGER, Evan, C.
 PATENT ASSIGNEE(S): IMARX PHARMACEUTICAL CORP.
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

NUMBER	KIND	DATE

WO 9851284	A1	19981119

DESIGNATED STATES
 W:

AU BR CA CN JP KR NZ AT BE CH CY DE DK ES FI FR GB GR
 IE IT LU MC NL PT SE

APPLICATION INFO.:
 PRIORITY INFO.:

WO 1998-US9569	A	19980512
US 1997-60/046,379		19970513
US 1998-9/075,343		19980511

L18 ANSWER 7 OF 11 PCTFULL COPYRIGHT 2005 Univentio on STN
 ACCESSION NUMBER: 1996040090 PCTFULL ED 20020514
 TITLE (ENGLISH): METHOD FOR REDUCING OR PREVENTING POST-SURGICAL
 ADHESION FORMATION USING 5-LIPOXYGENASE INHIBITORS
 TITLE (FRENCH): PROCEDE POUR LA REDUCTION OU LA PREVENTION DE LA
 FORMATION D'ADHERENCES POST-CHIRURGICALES A L'AIDE
 D'INHIBITEURS DE 5-LIPOXYDASE
 INVENTOR(S): RODGERS, Kathleen, Elizabeth;
 diZEREGA, Gere, Stodder
 PATENT ASSIGNEE(S): UNIVERSITY OF SOUTHERN CALIFORNIA
 LANGUAGE OF PUBL.: English
 DOCUMENT TYPE: Patent
 PATENT INFORMATION:

NUMBER	KIND	DATE

WO 9640090	A1	19961219

DESIGNATED STATES
 W:

AU CA JP AT BE CH DE DK ES FI FR GB GR IE IT LU MC NL
 PT SE

APPLICATION INFO.:
 PRIORITY INFO.:

WO 1996-US8216	A	19960531
US 1995-8/473,183		19950607

L18 ANSWER 8 OF 11 PCTFULL COPYRIGHT 2005 Univentio on STN
 ACCESSION NUMBER: 1995015118 PCTFULL ED 20020514
 TITLE (ENGLISH): GAS MICROSPHERES FOR TOPICAL AND SUBCUTANEOUS
 APPLICATION
 TITLE (FRENCH): MICROSPHERES GAZEUSES POUR APPLICATION
 TOPIQUE ET SOUS-CUTANEE
 INVENTOR(S): UNGER, Evan, C.;
 MATSUNAGA, Terry;
 YELLOWHAIR, David
 PATENT ASSIGNEE(S): UNGER, Evan, C.;
 MATSUNAGA, Terry;
 YELLOWHAIR, David

LANGUAGE OF PUBL.:
DOCUMENT TYPE:
PATENT INFORMATION:

English
Patent

NUMBER	KIND	DATE
WO 9515118	A1	19950608

DESIGNATED STATES
W:

AU CA CN JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL
PT SE

APPLICATION INFO.:
PRIORITY INFO.:

WO 1994-US13817	A	19941130
US 1993-8/159,674		19931130
US 1993-8/159,687		19931130
US 1993-8/160,232		19931130
US 1994-8/307,305		19940916
US 1994-8/346,426		19941129

L18 ANSWER 9 OF 11
ACCESSION NUMBER:
TITLE (ENGLISH):
TITLE (FRENCH):

PCTFULL COPYRIGHT 2005 Univentio on STN
1994028874 PCTFULL ED 20020513
NOVEL THERAPEUTIC DELIVERY SYSTEMS
NOUVEAU SYSTEME D'ADMINISTRATION DE PRODUITS
THERAPEUTIQUES

INVENTOR(S):

UNGER, Evan, C.;
FRITZ, Thomas, A.;
MATSUNAGA, Terry;
RAMASWAMI, VaradaRajan;
YELLOWHAIR, David;
WU, Guanli

PATENT ASSIGNEE(S):

UNGER, Evan, C.;
FRITZ, Thomas, A.;
MATSUNAGA, Terry;
RAMASWAMI, VaradaRajan;
YELLOWHAIR, David;
WU, Guanli

LANGUAGE OF PUBL.:
DOCUMENT TYPE:
PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9428874	A1	19941222

DESIGNATED STATES
W:

AU CA CN JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL
PT SE

APPLICATION INFO.:
PRIORITY INFO.:

WO 1994-US5633	A	19940519
US 1993-8/076,250		19930611
US 1993-8/159,674		19931130
US 1993-8/159,687		19931130
US 1993-8/160,232		19931130

L18 ANSWER 10 OF 11
ACCESSION NUMBER:
TITLE (ENGLISH):
TITLE (FRENCH):
INVENTOR(S):

PCTFULL COPYRIGHT 2005 Univentio on STN
1994028873 PCTFULL ED 20020513
NOVEL THERAPEUTIC DRUG DELIVERY SYSTEMS
NOUVEAUX SYSTEMES D'ADMINISTRATION DE MEDICAMENTS

PATENT ASSIGNEE(S):

UNGER, Evan, C.;
FRITZ, Thomas, A.;
MATSUNAGA, Terry;
RAMASWAMI, VaradaRajan;
YELLOWHAIR, David;
WU, Guanli
UNGER, Evan, C.;
FRITZ, Thomas, A.;
MATSUNAGA, Terry;
RAMASWAMI, VaradaRajan;
YELLOWHAIR, David;
WU, Guanli

LANGUAGE OF PUBL.:

English

DOCUMENT TYPE: Patent

PATENT INFORMATION:

NUMBER	KIND	DATE
WO 9428873	A1	19941222

DESIGNATED STATES

W: AU CA CN JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL
PT SE

APPLICATION INFO.: WO 1994-US5620 A 19940512

PRIORITY INFO.: US 1993-8/076,250 19930611

=> d kwic 10

L18 ANSWER 10 OF 11 PCTFULL COPYRIGHT 2005 Univentio on STN

ABEN Therapeutic drug delivery sytems comprising gas-filled microspheres comprising a therapeutic are described. Methods for employing such microspheres in therapeutic drug delivery applications are also provided. Drug delivery systems comprising gas-filled liposomes having encapsulated therein a drug are.

ABFR Systemes d'administration de medicaments au moyen de microspheres remplies d'un gaz a effet therapeutique, et methodes d'utilisation associees. Sont preconises des systemes d'administration a base de liposomes remplis.

DETD . . . deliver genetic material to 5 living cells. These mechanisms include techniques such as calcium phosphate precipitation and electroporation, and carriers such as cationic polymers and aqueous-filled liposomes. These methods have all been relatively ineffective in vivo and only of limited use for cell culture transfection. None of.

such as ganglioside GM1 and GM2; glucolipids; sulfatides; glycosphingolipids; - 14 - phosphatidic acid; palmitic acid; stearic acid; arachidonic acid; oleic acid; lipids bearing polymers such as polyethyleneglycol, chitin, hyaluronic acid or polyvinylpyrrolidone; lipids bearing sulfonated mono-, di-, 5 oligo- or polysaccharides; cholesterol, cholesterol sulfate and cholesterol hemisuccinate; tocopherol.

microsphere. Preferably, this non-cationic lipid is dipalmitoylphosphatidylcholine, - 15 -

dipalmitoylphosphatidylethanolamine or dioleoylphosphatidylethanolamine. In lieu of cationic lipids as described above, lipids bearing cationic polymers such as polylysine or polyarginine may also be used to construct the microspheres 5 and afford binding of a negatively charged therapeutic,

to carbohydrates and their phosphorylated and sulfonated derivatives; polyethers, preferably with molecular weight ranges between 400 and 8000; di- and trihydroxy alkanes and their polymers, preferably with molecular weight ranges between 800 and 8000. Emulsifying and/or solubilizing agents may also be used in conjunction with lipids or.

methicillin, nafcillin, oxacillin, penicillin G, penicillin V, ticarcillin rifampin and tetracycline; antiinflammatories

such as diflunisal, ibuprofen, indomethacin, meclofenamate, mefenamic acid, naproxen, oxyphenbutazone, phenylbutazone, piroxicam, sulindac, tolmetin, aspirin and salicylates; 20 antiprotozoans such as chloroquine, hydroxychloroquine, metronidazole, quinine and meglumine antimonate; antirheumatics such as penicillamine; narcotics such as paregoric; opiates. . .

DNA and analogs thereof, such as 20 phosphorothioate and phosphorodithioate oligodeoxynucleotides. Additionally, the genetic material may be combined, for example, with proteins or other polymers.

form the microspheres include, for example, proteins such as albumin, synthetic peptides such as polyglutamic acid, and linear and branched oligomers and polymers of

- 25 -

galactose, glucose and other hexosaccharides and polymers derived from phosphorylated and sulfonated pentose and hexose sugars and sugar alcohols. Carbohydrate polymers such as alginic acid, dextran, starch and HETA starch may also be used. Other natural polymers, such as hyaluronic acid, may be utilized. Synthetic polymers such as polyethyleneglycol, polyvinylpyrrolidone, polylactide, polyethyleneimines (linear and branched), polyionenes or polyiminocarboxylates may also be employed.

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L1 15203 S MICROSPHER?
L2 343 S L1/TI
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L4 1026 S L2 OR L3
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L7 16 S L6 AND L4
L8 3 S L7 AND L5
L9 16 S L7 AND POLYMER
L10 12 S L7 NOT PY>2002
L11 90719 S CANCER? OR TUMOR? OR CANCER?
L12 12 S L11 AND L10
L13 89307 S POLYMERIC
L14 89310 S L13 OR L9
L15 189307 S POLYMER
L16 208045 S L15 OR L13
L17 16 S L16 AND L7
L18 11 S L17 NOT PY>2001

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---Logging off of STN---

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Executing the logoff script...

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